

Purchase Order Receipt Listing

Monday, July 10, 2017 1:05:44 PM

All amounts are calculated in domestic currency.

Page 1 of 3

All Vendors PO ID PO36886 Receipt Dates from 7/7/2017 to 7/7/2017 All Line Item Types
All Item ID/GL WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type Req	Line Nbr/ Insp Req	Project ID Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name										
PO36886	1	VC-CAM002	Aacier Ouellette Inc.							
CAD	No	M6061T6B0.750X06. f 000 6061T6 BAR .750 X f 9 6.00 m137980	DAS	000 20.0000	7/6/2017	7/7/2017	\$12.71 20.0000	0.0000 0.0000	0 0	\$254.19
	2	M6061T6B0.750X01. f 500 6061-T6 Bar .750 X f 1.50 m137980		7/6/2017	7/7/2017	60.0000	\$2.66 \$254.19	0.0000 0.0000	0 0	\$159.76
	3	M6061T6B0.750X08. f 000 6061-T6 BAR .750" f X 8.00" m137980	DAS	7/6/2017	7/7/2017	12.0000	\$159.76 \$14.18	0.0000 0.0000	0 0	\$170.19
	4	M6061T6B1.000X02. f 000 6061-T6 Bar 1.00 x f 2.00 m137980	DAS	7/6/2017	7/7/2017	20.0000	\$4.73 \$94.68	0.0000 0.0000	0 0	\$94.68
	5	M6061T6B1.000X04. f 000 6061-T6 Bar 1.00 x f 4.00 m137980	DAS	7/6/2017	7/7/2017	20.0000	\$10.61 \$212.28	0.0000 0.0000	0 0	\$212.28
	6	M6061T6B1.000X06. f 000 6061T6 BAR 1.00 X f 6.00 m137980		7/6/2017	7/7/2017	24.0000	\$14.94 \$358.51	0.0000 0.0000	0 0	\$358.51

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID Vendor Name	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-CAM002	Acier Ouellette Inc.								
PO36886	8		M6061T6B1.500X01. f 250	DAS	7/6/2017	7/7/2017	12.0000	\$4.92	0.0000	0	\$59.07
CAD	No		6061-T6 Bar 1.50 x 1.25	f 14 9-89	12.0000	PLOU01		\$59.07	0.0000	0	
			m137980								
	9		M6061T6B4.500X4.5 f 00	DAS	7/6/2017	7/7/2017	4.0000	\$67.42	0.0000	0	\$269.67
	No		6061-T6 AluminumBar 4.500" X 4.500" ml137980	f 14 9-89	4.0000	PLOU01		\$269.67	0.0000	0	
	10		M6061T6S.040 f 6061-T6 .040 Sheet sf	DAS	7/6/2017	7/7/2017	64.0000	\$5.86	0.0000	0	\$374.84
	No		ml137980	f 5 8-89	64.0000	PLOU01		\$374.84	0.0000	0	
	11		M6061T6S.125 sf	DAS	7/6/2017	7/7/2017	32.0000	\$4.97	0.0000	0	\$159.18
	No		6061-T6 .125 Sheet sf	f 5 8-89	32.0000	PLOU01		\$159.18	0.0000	0	
	12		M2024T3S.080 sf	DAS	7/6/2017	7/7/2017	48.0000	\$4.98	0.0000	0	\$239.16
	No		2024-T3 .080 sheet sf	f 48 9-89	48.0000	PLOU01		\$239.16	0.0000	0	
	13		M303R0.750 f	DAS	7/6/2017	7/7/2017	24.0000	\$4.05	0.0000	0	\$97.23
	No		303 Round Bar 0.750 f	f 14 9-89	24.0000	PLOU01		\$97.23	0.0000	0	
	14		M304S18GA sf	DAS	7/6/2017	7/7/2017	64.0000	\$4.13	0.0000	0	\$264.10
	No		304/316 .050 Sheet sf	f 5 8-89	64.0000	PLOU01		\$264.10	0.0000	0	
	15		M304S20GA sf	DAS	7/6/2017	7/7/2017	64.0000	\$3.01	0.0000	0	\$192.76
	No		304/316 .040 Sheet sf	f 5 8-89	64.0000	PLOU01		\$192.76	0.0000	0	
	16		M6061T6R0.375 f	DAS	7/6/2017	7/7/2017	20.0000	\$0.30	0.0000	0	\$6.05
	No		6061-T6 Round Bar f .375"	f 14 9-89	20.0000	PLOU01		\$6.05	0.0000	0	
			ml137980								
	17		M6061T6B2.000X03. f 500	DAS	7/6/2017	7/7/2017	12.0000	\$11.06	0.0000	0	\$132.71
	No		6061-T6 Bar 2.00 x 3.50	f 9 9-89	12.0000	PLOU01		\$132.71	0.0000	0	
			ml137980								

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Purchase Order Receipt Listing

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Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID Description/ Cert Std	Reference/ Stock U/M	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID/Vendor Name	VC-CAM002	Acier Ouellette Inc.									
PO36886	18	71401-45			7/6/2017	7/7/2017	1.0000	\$0.00	0.0000	0	\$0.00
CAD	No	PROCUREMENT QUALITY CLAUSES ml37980			1.0000	PLOU01		\$0.00	0.0000	0	

Total Received Quantity: 501.0000
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$3,044.36
 Total Balance Due Quantity: 0.0000



DELIVERY - USINE

C0000038492

ACIER OUELETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mt: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mt: 514-336-4246 Ext.: 866-456-4242

Billed to DART AEROSPACE LTD
Shipped to

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att : CHANTAL LAVOIE Tél: 613-632-5200

Instruction F-M

Product Description	Weight	Qty	U/M	PCS NB				Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C	OUT
1 FLAT ALU 3/4 X 6 6061-T6 (20) FAL-346-20 DAS 2600 <i>1 X 20'</i> <i>9</i> <i>9-89</i>	105.74	20.00	PI_\$CLB								
2 FLAT ALU 3/4 X 1 1/2 6061-T6 (20) FAL-34112-20 DAS 2583 <i>3 X 20'</i> <i>14</i> <i>9-89</i>	81.00	60.00	PI_\$CLB								
3 FLAT ALU 3/4 X 8 6061-T6 (12) FAL-348-12 DAS 2602 <i>1 X 12'</i> <i>HT# 68549</i> <i>HT# 3B3822</i> <i>9</i> <i>9-89</i>	84.96	12.00	PI_\$CLB								

NIR : R-109516-6

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DELIVERY - USINE

CO00038492

ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Instruction F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction	Product Description	Delivery Route	5	Weight	Qty	U/M	PCS NB			Internal Use Only				
							CMD	EXP	B/O	IN	I	S	C	OUT
4	FLAT ALU 1 X 2 6061-T6 (20)			48.00	20.00	PI_\$CLB								
FAL-12-20	DAS 2475													
1 X 20'	9													
<i>HT#67956</i>														
5	FLAT ALU 1 X 4 6061-T6 (20)			96.00	20.00	PI_\$CLB								
FAL-14-20	DAS 8133													
1 X 20'	14													
<i>HT#3B5906</i>														
6	FLAT ALU 1 X 6 6061-T6 (12)			169.18	24.00	PI_\$CLB								
FAL-16-12	DAS 2535													
2 X 12'														
<i>HT#36576</i>														

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DELIVERY - USINE

C000038492

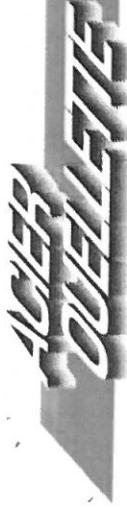
ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Instruction	F-M	Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
						CMD	EXP	B/O	IN	I	S	C
7	FLAT ALU 1 X 12 6061-T6 (12) FAL-112-12 2436 <i>1 X 12'</i>		169.34	12.00	PI_\$CLB							
8	FLAT ALU 1 1/4 X 1 1/2 6061-T6 (12) FAL-114112-12 2451 <i>1 X 12'</i>		26.44	12.00	PI_\$CLB							
9	ALUMINIUM 6061-T6511 4-1/2" SQUARE <i>N</i> <i>1 X 48" LG</i> <i>DAS</i> <i>9</i> <i>9-89</i>			1.00	UN							

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C000038492

ACIER OUELETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

, Ontario,

Att : CHANTAL LAVOIE Tél: 613-632-5200

Instruction F-M

Instruction	Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
					CMD	EXP	B/O	IN	I	S	C	OUT
10	ALU SHEET .040 (18G) 6061-T5 (4 X 8) FEAL-040486061 3125 2 X 4' X 8' <i>HT#T114421</i>	36.03	64.00	PI2_\$CLB								
11	ALU SHEET 1/8 6061-T6 (4 X 8) FEAL-18486061 4256 DA8 5 <i>8-89</i> <i>HT#GJNH1612-028</i>	56.45	32.00	PI2_\$CLB								
12	ALU SHEET .081 (12G) 2024-T3 (4 X 12) FEAL-0814122024 3192 1 X 4' X 12' BARE <i>HT#300</i>	54.77	48.00	PI2_\$CLB								

NIR : R-109516-6

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DELIVERY - USINE

CO000038492

ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Instruction

F-M

Att : CHANTAL LAVOIE Tel: 613-632-3200

Delivery Route

5

Customer No

Date

Delivery date

Your order N°

Shipped to

Processed by

Salesman

Carrier

Credit Terme

OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

Page

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Customer N°

Date

Delivery date

Your order N°

Processed by

Salesman

Carrier

Credit Terme

OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

Page

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Customer N°

Date

Delivery date

Your order N°

Processed by

Salesman

Carrier

Credit Terme

OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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Customer N°

Date

Delivery date

Your order N°

Processed by

Salesman

Carrier

Credit Terme

OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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Customer N°

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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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Customer N°

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Carrier

Credit Terme

OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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, Ontario,
OUELETTE VALLEYFIELD

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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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, Ontario,
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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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, Ontario,
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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

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Customer N°

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OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

Page

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Customer N°

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Credit Terme

OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

Page

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Customer N°

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Your order N°

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Credit Terme

OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

Page

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Customer N°

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Processed by

Salesman

Carrier

Credit Terme

OUELETTE VALLEYFIELD
, Ontario,
OUELETTE VALLEYFIELD

Page

6

Customer N°

Date

Delivery date

**ACIER OUELLETTE INC.**

935, Boul. du Havre .
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Invoice

FC00040419

Sold to

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : A VALIDER

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
HT#36576									
FLAT ALU 1 X 12 6061-T6 (12) FAL-112-12 2436 1 X 12'	0.00	0.00	PI_\$CLB	0.00	UN	0.00	0.00	0.000	0.00
HT#105574									
FLAT ALU 1 1/4 X 1 1/2 6061-T6 (12) FAL-114112-12 2451 1 X 12'	26.43	12.00	PI_\$CLB	1.00	UN	76.65	0.00	0.000	76.65
HT#17025431A									
ALUMINIUM 6061-T6511 4-1/2" SQUARE N	0.00	1.00	UN	1.00	UN	349.95	0.00	0.000	349.95
1 X 48" LG									
HT#107012									
ALU SHEET .040 (18G) 6061-T6 (4 X 8) FEAL-040486061 3125 2 X 4' X 8'	36.03	64.00	PI2_\$CLE	2.00	UN	243.22	0.00	0.000	486.43
HT#T114421									
ALU SHEET 1/8 6061-T6 (4 X 8) FEAL-18486061 4256 1 X 4' X 8'	56.44	32.00	PI2_\$CLE	1.00	UN	206.57	0.00	0.000	206.57
DAS HT#01/0068262/5									
ALU SHEET .081 (12G) 2024-T3 (4 X 12) FEAL-0814122024 3192 1 X 4' X 12' BARE	54.76	48.00	PI2_\$CLE	1.00	UN	465.53	0.00	0.000	465.53



DELIVERY - USINE

C000038492

ACTER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Billed to	DART AEROSPACE LTD
Shipped to	

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7	, Ontario,
Att : CHANTAL LAVOIE Tél.: 613-632-5200	

Instruction	F-M	Delivery Route	5	Page
				4

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
10 ALU SHEET .040 (18G) 6061-T6 (4 X 8) FEAL-040486061 3125 2 X 4' X 8'	36.03	64.00	PI2_SCLB								
HT#711421											
11 ALU SHEET 1/8 6061-T6 (4 X 8) FEAL-18486061 4256 1 X 4' X 8'	56.45	32.00	PI2_SCLB								
HT#01/0068262/5											
12 ALU SHEET .081 (12G) 2024-T3 (4 X 12) FEAL-0814122024 3192 1 X 4' X 12' BARE	54.77	48.00	PI2_SCLB								
HT#300											

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ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

DELIVERY - USINE

C000038492

Billed to

DART AEROSPACE LTD

Shipped to

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

, Ontario,

Salesman

Carrier

Credit Termes

OUELLETTE VALLEYFIELD
Net 30 Days

Customer N°
CLI0001056
Date
2017/05/29

Delivery date
2017/07/06
Your order N°
PO36886
Processed by
Eric Kaehlert

Instruction

F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Page

5

Product Description	Weight	Qty	U/M	PCN NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
13 ROUND SS 3/4 303 (12R) RSS-34303-12	36.05	24.00	PI2_SCLB							
2 X 12'										
HT#1W4B3										
14 SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B	134.40	64.00	PI2_SCLB							
2 X 4' X 8'										
HT#0L4V										
15 SHEET SS 20G SS304-2B (4 X 8) FESS-20G483042B	100.48	64.00	PI2_SCLB							
2 X 4' X 8'										
HT# 222X										

NIR : R-109516-6

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GVA
Global Vietnam
Aluminium Co., Ltd.

GLOBAL VIETNAM ALUMINIUM COMPANY LIMITED

Address: My Xuan B1-Conac industrial zone, My Xuan town, Tan Thanh district,
Ba Ria-Vung Tau province, Viet Nam

Tel: +84(0)643924954
Fax: +84(0)643924953

MILL TEST CERTIFICATE

Date: July 19, 2016

Consignee:

PO number: P-16298

Customer PO: C72858

Shipping Ref No.: 16-0667

LC No.: DC HMN613447

Date of issue: July 13, 2016

Item Code: 1039500

Die Number: D00112

Alloy & Temper: 6061-T6511

→ Production Description: STANDARD ALUMINIUM EXTRUSION (BAR)
BAR V836000 3/4" x 6" x 240" 6061-T6511 D00112

Length (inch): 240

Bundle number: P-16298-048

Heat Number: SXD160817

Date: 14/07/2016

Applicable Specifications: ASTM B221 STANDARDS

68
6
SVD

CHEMICAL ANALYSIS: %

Si	Mg	Fe	Cu	Mn	Cr	Zn	Ti	Al	Other		Remark:
									EACH	TOTAL	
0.637	0.935	0.214	0.250	0.015	0.080	0.006	0.014	98.775	<0.05	<0.15	12/07/2016

R533895

MECHANICAL ANALYSIS:

Ult. Strength (ksi)	Yield Strength (ksi)	Elongation % LN 2"	Remark:
46.8	39.5	11.7	12/07/2016

All profiles, each profile with each MTC, showing material shipped match aluminium alloy as per standard, with chemical analysis and mechanical analysis to match aluminium alloy standard.

We hereby certify that the item listed have been checked and tested in accordance with the specifications noted and have been found to meet all the applicable requirements. Certifications are kept on file for 36 months from the date of purchase and are available for review upon request, referring to ASTM and the PO number.



Quality Manager
TRUNG TÂM KIỂM NGHIỆM CÔNG TY
TNHH NHÔM TOÀN CẦU VIỆT NAM
GLOBAL VIETNAM ALUMINUM
CO., LTD TESTING CENTER

2583

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : LES ACIERS TRANSBEC (1997) LTÉE.

Adresse / Address : 4054 BOUL. LE CORBUSIER # 201
LAVAL, QC
H7L5R2

commande : order # : 7011453

bon de commande / Purchase order # : OU-47404

de matrice / Die # : MS 16477

Description : 1 1/2" X 3/4" FLAT BAR

Alliage & trempage / Alloy & temper : 6061 T6 Longueur / Length : 6097 mm

Contrôle / Control # : 84119-2

Coulée / Cast # : 68549

2017/02/10

Dureté Rockwell E /
Rockwell E hardness : 94 HRE Min. requis /
Min. required : 88 HRE Max. permis /
Max. permitted : 100 HRE

Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Tl
6063	0,28 - 0,60	0,13 - 0,25	0,10 Max	0,10 Max	0,35 - 0,73	0,10 Max	0,05 Max	0,05 Max
6005	0,68 - 0,72	0,15 - 0,27	0,04 - 0,08	0,06 - 0,08	0,48 - 0,52	0,03 Max	0,05 Max	0,03 Max
6005A	0,65 - 0,75	0,15 - 0,27	0,15 Max	0,20 - 0,30	0,45 - 0,55	0,10 Max	0,05 Max	0,05 Max
6061	0,50 - 0,76	0,13 - 0,29	0,15 - 0,28	0,10 Max	0,80 - 1,00	0,04 - 0,14	0,08 Max	0,05 Max
6351	0,7 - 1,3	0,5 Max	0,10 Max	0,40 - 0,80	0,40 - 0,80	--	0,50 Max	0,20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme ASTM B-221-14 excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre,
Yours truly,

date : 2017-03-10

Daniel Alfredo Pelletier
Directeur Qualité
Quality Director

Elie Pelletier

#2607

MILL TEST

BILL TO	CERT CODE:	DIE NUMBER	DATE OF SHIPMENT	MANIFEST NO.
SHIP TO	1	S	Sep/29/2016	197683 - 4 357684
ACIER OUELLETTE	CUSTOMER PO	ALLOY	SALESMAN	MADE IN CANADA
SO DESCRIPTION	100664	TEMPER	HOUSE ACCOUNTS	CERTIFICATION
8" X 3/4" FLAT BAR	6061	T6		MILL TEST ASTM B221-14
	CUSTOMER PART NUMBER		PART DESCRIPTION	
	DT09604		8" X 3/4" FLAT BAR	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
A.11	6061	Sep/24/2016	44.40	41.60	13.60	90.0, 90.6, 90.3	

Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	Y	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
3B3822	A.11	6061	0.6	0.2	0.2	0.03	0.87	0.07	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

DAS
9
969

FAC 348

David Natale
Quality Control Manager

#2475

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : **LES ACIERS TRANSBEC (1997) LTEE.**

Adresse / Address : **4054 BOUL. LE CORBUSIER, #201
LAVAL, QC
H7L5R2**

commande : **6101541**

bon de commande / Purchase order # : **OU-46548**

de matrice / Die # : **MS 15914** Description **2"X 1" FLAT BAR**

Alliage & trempage / Alloy & temper : **6061 T6** Longueur / Length : **6097 mm**

Contrôle / Control # : **79124-1**

Coulée / Cast # : **67956** DAS

Dureté Rockwell E / **96 HRE** Min. requis / **96**
Rockwell E hardness : **96 HRE** Min. required : **88 HRE** Max. permis /
Max. permitted : **100 HRE**

Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0,20 - 0,60	0,35 Max	0,10 Max	0,10 Max	0,45 - 0,90	0,10 Max	0,10 Max	0,10 Max
6005	0,60 - 0,90	0,35 Max	0,10 Max	0,10 Max	0,40 - 0,60	0,10 Max	0,10 Max	0,10 Max
6005A	0,66 - 0,74	0,14 - 0,28	0,08 - 0,16	0,18 - 0,26	0,46 - 0,54	0,03 Max	0,05 Max	0,05 Max
6061	0,40 - 0,80	0,70 Max	0,15 - 0,40	0,15 Max	0,80 - 1,20	0,04 - 0,35	0,25 Max	0,15 Max
6351	0,7 - 1,3	0,5 Max	0,10 Max	0,40 - 0,80	0,40 - 0,80	--	0,20 Max	0,20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme **ASTM B-221-14** excepté pour la section 8.2 (nombre de spécimen) .

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen) .

Sincèrement vôtre,
Yours truly,

date : **2016-12-09**



Gilles Pelletier
Technicien de la qualité
Quality technician

FAT 12

MILL TEST

#4133

BILL TO

SIN# 10

ACIER OUELLETTE

SO DESCRIPTION

FLAT 4" X 1"



Mechanical Properties

LOT	ALLOY	TEST DATE	ULTIMATE TENSILE STRENGTH (KSI)	YIELD STRENGTH (KSI)	PERCENT ELONGATION	HARDNESS ROCKWELL E	CONDUCTIVITY												
							NI	ZN	TI	GA	Y	B	ZR	BI	PB	Sn	SR	Co	Al
A.11	6061	May/10/2017	46.20	42.40	14.50	92.0,92.1,92.3													

Chemical Composition

CAST NUMBER	LOT	ALLOY	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	Y	B	Zr	Bi	Pb	Sn	SR	Co	Al	OTHER
385906	A.11	6061	0.61	0.16	0.21	0.03	0.87	0.07	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

DAS
14
9-89
17/07/14

ANIFEST NO.

370366

MADE IN CANADA

CERTIFICATION
MILL TEST ASTM B221-14

FAL/HY

T. Mohabir
Tulsiiram Mohabir
Quality Control Manager

#2535

HL-16-10

1/2A 1306

4815

MILL TEST

BILL TO		CERT CODE:	DIE NUMBER	DATE OF SHIPMENT	MANIFEST NO.
SHIP TO		1	S 4658	Jun/08/2017	372109
ACIER OUELLETTE		Salesman 105367 /OU-47826	ALLOY 6061 TEMPER 16	HOUSE ACCOUNTS	MADE IN CANADA
SO DESCRIPTION	1" X 6" FLAT BAR	CUSTOMER PART NUMBER DT04658	PART DESCRIPTION 1" X 6" FLAT BAR	CERTIFICATION MILL TEST ASTM B221-14	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell E	Conductivity
A.11	6061	May/26/2017	44.50	40.70	15.80	91.1,91.2,91.3	

Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
36576	A.11	6061	0.563	0.21	0.202	0.0572	0.866	0.0505	0	0.0161	0.023	0	0	0	0	0	0	0	0	0	0	

DAS
14
9-89
17/07/14

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

Tulsi Ram Mohabir
Quality Control Manager

C038492

2436

LES ACIERS OUELLETTE INC.
BARRE RECT. ALUM ECONOPLT 6061-T6511
1.00" X 12.00" X 14.0000"
PART NO.

PO/Ref OU-75127

Nous certifions que le document reproduit ici est
une copie conforme du rapport fourni par le
fournisseur du matériel ou les données résultent

Certificate of Mill Test Results

BL-VIM-169531-003

12/2016

de l'analyse faite par un laboratoire qualifié
SIGNÉ PAR: LUCY TRUGLIO

Pg. 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER:	CUSTOMER PART NUMBER		PRODUCT DESCRIPTION:			
VIM-633551-9	W73/STK		1.000 X 12.000 PRECISION WIDE BAR			
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER:	ALLOY	TEMPER	
698509	009	11/20/2015	Z00014100	6061	T6511	LENGTH
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	DIAM/DAF/THKNS.	WIDTH:		12.000 FT
1016.000 LB	6.000 PCS	613952	SOLD TO:			
SHIP TO:						

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDCT.	BEND
Z00014100	0001	1	45.5	41.4	10.0	RE 94	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.30	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.60	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
165574	.77	.31	.29	.10	.95	.09	.05	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1996 SECT II AMS-QQ-R-200/8A UNSFA96061 (T6511 also
conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been
inspected and tested and found in conformance with applicable specifications forming a part of the
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00204346
Kaiser Order Number: 698509
Line Item: 009

Page 1 of 1

HCR - 11-11101 - TRA 811

41454

MILL TEST

BILL TO	CERT CODE:	DIE NUMBER	DATE OF SHIPMENT	MANIFEST NO.
SHIP TO	1	S 4676	Feb/16/2017	365507
ACIER OUELLETTE	CUSTOMER PO	ALLOY 6061	TEMPER T6	SALESMAN HOUSE ACCOUNTS
SO DESCRIPTION	103226			
FLAT BAR 1-1/2" X 1-1/4" SQ	CUSTOMER PART NUMBER DT04676	PART DESCRIPTION FLAT BAR (1-1/2" X 1-1/4" SQ)	CERTIFICATION MILL TEST ASTM B221-14	MADE IN CANADA

Mechanical Properties

Lot	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell E	Conductivity
A.11 6061	Feb/16/2017	43.40	39.20	18.80	89.3,89.4,89.5	

Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Tl	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
17025431A	A.11	6061	0.55	0.17	0.2	0.01	0.8	0.08	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	

DAS
14
9.89
17/07/14

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale
Quality Control Manager

CO. 38492

ACIER OUELLETTE DIV-VALLEYFIELD
BARRE CARREE ALUMINIUM 6061-T6511
4.50" X 48.0000"
PART NO.

PO/Ref AC00007267

Nous certifions que le document reproduit ici est
une copie conforme du rapport fourni par le
fournisseur du materiel ou les donnees resultant

Certificate of Mill Test Results

BL.VIM-514616-001

SJul17

Pg 1/1

de l'analyse faite par un laboratoire qualifie.
SIGNÉ PAR:

Bew

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAlumInum.com>

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:					
VIM-641296-2		328/STK		4.500 SC SQ BAR					
KAISER ORDER NUMBER	LINE ITEM:	SHIP DATE:		KAISER LOT NUMBER	ALLOY:	TEMPER:			
6030643	002	05/09/2017		Z00781015	6061	T6511			
WEIGHT SHIPPED:	QUANTITY:	BL NUMBER:		DIAM/DAF/THKNS:	WIDTH:	LENGTH:			
1143.000 LB	4.000 PCS	619063				12.000 FT			
SHIP TO:		SOLD TO:							
<i>DNL 12/07/10</i>									

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	E LONG%	HARDNESS	CONDUCT.	BEND
Z00781015	0001	0001	56.9	53.9	15.6	RE	93	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
107012	.75	.29	.28	.10	.94	.09	.06	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00286030

Kaiser Order Number: 6030643

Line Item: C02

CERTIFIED INSPECTION REPORT

#3125

We hereby certify that the material covered by this certificate has been inspected with due care and that the following representations of the material meet the composition limits and has the physical properties shown on the face of this sheet. This test report shall not be reproduced except in full without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of failed, doubtful, or otherwise questionable measurements or analyses on this certificate by any recipient may be construed as a warranty under applicable law.

Per:

R.D. Webster

Rep Wholesal
Division of Manufactured Directories, Wales

L. H. L.
Terminus Item
Quality Assurance Manager

Aronic	DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722	Ship From: RIVERDALE, IA.
3143722	0 B.L. No.	Invoice No. Aronic No.
2017-02-23	1222555 Item	00000 100894587-2 DPE-14587-2
P.O. No./Govt Contract No.	Customer	Aronic Item
C 74013 Lnb: 2	SAMUEL SON & CO LT	0041015419R16

Page 1 of 2

Item Description
 0.04 IN TK (+0.000 - .0015) X 48.0 IN W 125 L
 1.251 X 1.447.0 IN LN (+.15625 -.15625) CNT D 126862 (N) A/T 6061-
 16 PLAT SHMET FOR DISTRIBUTORS TOLERANCE
 GUARANTEED. D126862 REV N ASNTM35.2 REV 2013 EXC MRK ASME-SB-
 209 REV 15 EXC MRK ASTMB209 REV 14
 1 (MARKED) KRAFT PAPER INTERLEAVED
 MAX GROSS SKID WT: 4750 LB GROSS TOL +/-
 25 % COR D126862 REV 43 CUST RBO 17-03-
 25 *** W/E 17-04-01 ***

Num	Package Ticket	Lot	Weight	Quantity	UOM	Inspector Clock Number	
1	299257	D971906	487125 ✓	2926	118	PC	27279 47435 27887

Notes for CQR: D126862.43
 PRODUCT PRODUCED TO THE REQUIREMENTS OF AMS4027 REV N ALSO MEET THE REQUIREMENTS OF AMS-QQ-A-250_11 ORIGINAL REVISION DATED 1997-08-01.

CQR: D126862.43 -Specification Limits-----

Temp	Dir	UTS	TYS	KSI	ELAD	PCT
T6	Long Transv.	Max	2926	118	PC	27279 47435 27887
		Min	42.0	35.0		10

Chemical Composition	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other	Other	Aluminum		
Alloy 6061	Max 0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15	REMAIN		
Lot: 487125	Min 0.40	0.15	0.8	0.04	0.8	0.04							
	Mechanical, Physical, Metallography, Quantometer Results												
No. >	UTS	TYS	ELAD										
Temp	Dir	KSI	KSI	PCT									
T6	Long Transv.	10	48.6	40.9									12.4

2P

SHIP TO:
SOLD TO:

2P

KAISER
ALUMINUM
Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4441872

CUSTOMER PO NUMBER: C73458-3	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD: 103762/19	GOV'T CONTRACT NUMBER:
KAISER ORDER NO: 1224171-3	SHIP DATE: 1-DEC-2016	ALLOY: 2024	CLAD: BARE	TEMPER: T3
WEIGHT SHIPPED: 3225 LB	QUANTITY: 58 PCS EST.	TRUCK B/L #: 2063781	GAUGE: 0.0800 IN (2.0320 MM)	DIAMETER/WIDTH: 48.000 IN (1219.2 MM) LENGTH: 144.000 IN (3657.6 MM)

MHU 2062094: LOT 200838B1: 58 pieces; *D11/100*

DAS
48

Certified Specifications

✓AMS 4037/RevQ
CMMP 019/RevD

9-89
17/07/15

✓AMS-QQ-A-250/4/RevB
✓CMMP 025/RevV

✓ASTM B 209/Rev14

Test Code: 1504
Lot: 200838B1

Cast 300

Drop 98

Test Results

Ingot 2

Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile: Temper
T3

Dir / # Tests
LT / 2 (Min:Max)

Ultimate KSI (MPA)
66.0 : 66.6
(455 : 459)

Yield KSI (MPA)
45.6 : 46.1
(314 : 318)

Elongation %
17.0 : 18.1

(ASTM E1251)

Chemistry:	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.19	4.6	0.58	1.3	0.01	0.10	0.03	0.01	0.00	TOT 0.05

ALLOY LIMITS

	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder



Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4441872

CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- has been thermally processed in compliance with AMS 2772, where applicable.
- is mercury free, within the limits of detection of ASTM E1215 (<1ppm).
- is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- is free of weld repair.
- meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

#5760

K22-37--

47305 ✓



METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

740 Imperial Road North
Certificate: 107119 5 Mail To:
Customer: 007035 510

Ship To:

Date: 10/22/2015 Page: 1
Steel: 303
Finish: CD

Your Order: 770967

NAS Order: PN 0056401 02

PRODUCT DESCRIPTION:

ROUND BAR, Unsealed, Cold Draw
ASTM A582-C2 EN 10204 3.1, ASTM A484/11
AMS 5640U TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

Corrosion:

REMARKS:

COMPLIES W/ REQUIREMENTS OF DFAR 252.225-7009 EU DIRECTIVE
2011/65/EU+ROHS. EAF+KOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-89 17/07/14

Product Id

Skid # Diameter

Size

Weight

Length-----

Mark Pieces Commodity Code

BH4444 0

.7500

1.151

144.00

2

1

71469845

CHEMICAL ANALYSIS

CM(Country of Matl)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323

ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per ASTM A751/08

HEAT
W433

CR %

CU %

MN %

MO %

N %

NI %

P %

US

.0473

.1185

17.2850

.3305

1.7960

.2720

.0532

8.3575

.0310

S % SI %

.3495 .4945

MECHANICAL PROPERTIES

Product Id	14	01 HB	.2VS	VTS	R&I	Elng
	CR No.	KSI	KSI	%	% 4D	
BH4444 0	R I	222.0	82.69	102.54	34.29	23.26

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical

Dept. Mgr.

ABHIJEET BRAVE -

10/22/2015



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

4747474747
6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Customer: 007035 021

Ship To:

Date: 1/10/2017 Page: 1
Steel: 304/304L

Your Order:

788462

NAS Order: DS 0011167 01

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C-R. ANNEALED & PICKLED. UNS 30400/30403
(ASTM A240)15b,A480/15,A666/15; ASME SA240/15,SA480/15,SA666/15
MANUFACTURED IN MALAYSIA

REMARKS:

Mat'l is free of Mercury Contamination. No weld repairs.

EN 10204:2004 3.1, RoHS 1 & 2 Compliant

Material is free of Radioactive Contamination

Steel Making Process: EAF, AOD, & Cont. Casting

Product Mfg. by a Quality Mgt. Sys. in Confg. w/ISO 9001

S.O. - 388337

Product Id	Supplier Id	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
110L4V	A00304 63A		.0450	48.0296	24,908	COIL	1	1	74261496

C H E M I C A L A N A L Y S I S CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

DAS	REAT	Supplier#	CM	C %	CR %	MN %	N %	NI %	P %	S %	SI %
5	0L4V	1.92R	ES	.0200	18.2000	1.8200	.0800	0.0000	.0290	.0020	.3600

MECHANICAL PROPERTIES

Product Id	Supplier Id	1.4	UTS	20C -2% YS	20C ELONG	% Hard	Tensile
		0.2	KSI	KSI	% 2"	RB	Hard
110L4V	A00304 63A	F T	95.72	48.59	48.00	85.00	86.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mar. _____
KRIS LARK
1/11/2017

#5159

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : **LES ACIERS TRANSBEC (1997) LTEE.**

Adresse / Address : **4054 BOUL. LE CORBUSIER # 201
LAVAL, QC
H7L5R2**

commande # : **6120924**

bon de commande / Purchase order # : **OU - 47030**

de matrice / Die # : **MS 9903** Description : **3/8"ROD**

Alliage & trempage / Alloy & temper : **6061 T6** Longueur / Length : **6097 mm**

de contrôle / Control # : **82386-1**

de coulée / Cast # : **68219**
DAS 14/08/14
 Dureté Rockwell E / Min. requis / Max. permis /
 Rockwell E hardness : **89 HRE** Min. required : **88 HRE** Max. permitted : **100 HRE**

Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0,20 - 0,60	0,35 Max	0,10 Max	0,10 Max	0,45 - 0,90	0,10 Max	0,10 Max	0,10 Max
6005	0,60 - 0,90	0,35 Max	0,10 Max	0,10 Max	0,40 - 0,60	0,10 Max	0,10 Max	0,10 Max
6005A	0,66 - 0,74	0,14 - 0,28	0,08 - 0,16	0,18 - 0,26	0,46 - 0,54	0,03 Max	0,05 Max	0,05 Max
6061	0,40 - 0,80	0,70 Max	0,15 - 0,40	0,15 Max	0,80 - 1,20	0,04 - 0,35	0,25 Max	0,15 Max
6351	0,7 - 1,3	0,5 Max	0,10 Max	0,40 - 0,80	0,40 - 0,80	—	0,20 Max	0,20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme **ASTM B-221-14** excepté pour la section 8.2 (nombre de spécimen) .

We hereby certify that the material supplied meets the chemical properties as published by the **ASTM B-221-14** except for section 8.2 (number of specimen) .

Sincèrement vôtre,
Yours truly,

date : **2017-01-27**

Gilles Pelletier
Technicien de la qualité
Quality technician

ACIER OUELLETTE DIV-VALLEYFIELD

BARRE RECT ALUMINUM 6061-T6511
2.00" X 3.50" X 144.000"

PART NO.



Service Center Metals

5850 Quality Way

Prince George, VA 23875

BILL TO	MANIFEST NUMBER	DATE NUMBER	DATE OF SHIPMENT
SHP TO	329106	MRB0481	4/1/2017
CUSTOMER PO	VIM-640685	ALLOY / TEMPER	SALESPERSON
Customer Part Number	6061-T6511	6061-T6511	D.Schroeder (Canada)
Description	MORB 2.00x3 500	AMS-QQA-200/8 Rev-A	

Quantity Certified 6,276 lbs 63 pcs

MRB0481

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

Mechanical Properties

Tests Lot No.

2	201703502
2	201705538

Test Date	Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
	min	max	min	max	min	max
34/17	50.60	51.40	47.60	48.50	15.90	19.30
46/17	47.40	49.50	43.90	46.20	16.30	17.60

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Others	Total	Melt Source
001M170213B	201703502	6061	0.77	0.38	0.31	0.13	0.90	0.09	0.02	0.03	97.39	0.05	0.15	United States of America	
001M170214B	201703502	6061	0.75	0.39	0.31	0.12	0.89	0.10	0.03	0.03	97.40	0.05	0.15	United States of America	
03221702	201705538	6061	0.72	0.40	0.32	0.10	0.84	0.09	0.07	0.02	97.44	0.05	0.15	United States of America	
03241706	201705538	6061	0.71	0.39	0.31	0.11	0.86	0.08	0.07	0.02	97.45	0.05	0.15	United States of America	

SCM extrusions are manufactured in the USA.

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

Certificate of Mill Test Results

BL. VIM-514609-001

5full7

Page 1/1

PO/Ref AC000007277
Nous certifions que le document reproduit ici est
une copie conforme du rapport fourni par le
fournisseur du matériel ou les données résultent

de l'analyse faite par un laboratoire qualifié.
SIGNÉ PAR:

OUR ORDER NUMBER	ITEM
290564	6

CERTIFICATION
ASTM-B221-14 StencilCont

SPECIFICATION
AMS-QQA-200/8 Rev-A

Print Date: 4/11/2017

Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 9/9/16



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

47574

Certificate: 245735 1

Your Order: 785809

NAS Order: PN 0072898 04

ISSN: 2224-8282 / 13 / 18UBerd-OK

DAE 474

Date: 12/12/2018 Page: 1

ASTM A390 / 15B-A480-15, A666-15, A816-15, SA816-15, SA666-15
SAH42-09T1 ON FOLLOWING ASTM: A276/16, A479/16, A844/15, A312/16
CMM ONLY ON FOLLOWING ASME: SA312/13, SA379/13
AMS 5513 X/R/SC: MIL-S-5055D AMENDS (X CROWN MEAS)
NACE MR0175/TSO 1556-3/2009 A, MR0103/07/0097/66-D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900°, WATER QUENCHED

**Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. In Con't. W/ISO 9001
*Welded & Manufactured in the USA; Mat'l is DFARS Compliant**

MECHANICAL PROPERTIES

Product Id#	Coil #	1 d o c e	UTS	20C	-2%	VS	20C	ELONG	%	Hard	Tail	Grain
										RH		No.
04222X A	04222X A	F T	103.42	56.92	47.45		89.50		89.00		10.00	

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the analysis meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

#3430

1

AMAG

ROLLING

Abnahmeprüfzeugnis 3.1 (EN 10204)

Inspection certificate - mill certificate

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Nr.: 85172797 01 / 1

Rev.: 0

Seite / page: 1 von / of 2

Datum / date: 2015 04 17

	Bestell Nr. / order no.:	C 69654
	Datum / date:	2014 11 27
	Auftragsbest. Nr. / order confirm no.:	685221
	Datum / date:	2014 12 02

Produkt / product	Bedingungen / terms
Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dim. / dim.: [inch]: 0,125x48,00x144,00	Technische Lieferbedingungen / techn. spec.: AMS QQ-A-250/11, 08.1997 ASTM B 209 - 10 AMS 4027N, 07.2008 Cessna CMMP019, Rev. D, 09-07-01 Cessna CMMP025, Rev. V, 2-20-15 Sondervorschrift / special terms:

DAS

AB-Pos. ord.-Item.	BNr/Los/Tellios. Lot/No./Part	Guss Nr. cast no	Werkstoff material	Kollo. packno.	Gewicht netto weight net	Stk. pcs.
10	69100/01/01	01/0068262/5	6061	6852210011	2367,725 lbs	28
10	69100/01/01	01/0068262/5	6061	6852210012	2367,725 lbs	28
10	69100/01/01	01/0068262/5	6061	6852210013	2367,725 lbs	28
10	69100/01/01	01/0068262/5	6061	6852210014	930,335 lbs	11

Chemische Zusammensetzung ([%] Gewichtsanteile) / Chemical composition ([%] weight proportion (OES))											
Guss Nr. / cast no		material									
01/0068262/5		6061 spec. min. spec. max. actual	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each
			0,40	-	0,15	-	0,80	0,04	-	-	-
			0,80	0,70	0,40	0,15	1,20	0,35	0,25	0,15	0,05
			0,71✓	0,41✓	0,22✓	0,14✓	0,97✓	0,17✓	0,11✓	0,04✓	0,02✓
											0,04✓

Zugprüfung LT / tensile test LT								
BNr/Los	Zustand	Richtung	Tests	UTS	YS	A2"		
Lot/No.	temper	direction		[ksi]	[ksi]	(%)		
			spec.min.	42,0	35,0	10		
			spec.max.	-	-	-		
69100/01	T6	LT	8 from	47,1✓	41,2✓	14✓		
69100/01	T6	LT	to	48,0	42,1	15		

AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich - www.amag.at
 AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria - www.amag.at



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H6061T6B0.750x6.00
 DATE: 11.07.11

PO / BATCH NO.: P036886/M137930

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 20'
 QUANTITY INSPECTED: 20'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750
 THICKNESS RECEIVED: .748
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	N
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	N
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/>	N A371 B221
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	N
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	N S2D160317
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	N
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	N
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
DAS	
INSPECTED BY: <u>9</u> <small>9-89</small>	SIGNED OFF BY: _____
DATE: <u>11.07.11</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

D
8
7
6
5
4
3
2
1
C
B
A

PURCHASE MATERIAL: 6061-T6/T651/T6510/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-22518 OR AMS-QQ-A-22518 (OR AMS 4117/4128/4115/4116)

OR QQ-A-2008 OR AMS-QQ-A-2008 (OR AMS 4160)

OR ASTM B211 OR ~~ASTM B22~~

.750 X 6.00

AS

9

.89

WHERE "T, TTT" = THICKNESS IN INCHES

"WW, WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

PART NUMBER: M6061T6B | T.TT | X | WW.WWW |
 THICK | | WIDTH |
 9
 .89

B	REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD		CP	09/07/13
A	NEW ISSUE	REV.	DS	01/06/08
REV.	DESCRIPTION		BY	DATE
DESIGN	DS	DART AEROSPACE LTD		
DRAWN	<i>AS</i>	HAWKESBURY, ONTARIO, CANADA		
CHECKED	<i>AS</i>	DRAWING NO.		
MFG. APPR.	<i>AS</i>	M6061T6B	SHEET 1 OF 1	
APPROVED	<i>AS</i>	TITLE	SCALE	
DE APPR.	<i>AS</i>	6061-T6 BAR	NTS	
DATE	09/07/13			

RELEASED
2009-05-02
AS

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M160L16 B.750X1.500 PO / BATCH NO.: 36886/137980
 DATE: 17/07/16

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 66
 QUANTITY INSPECTED: 66
 QUANTITY REJECTED: _____

THICKNESS ORDERED: .750
 THICKNESS RECEIVED: .750
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>ASTM -221</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>HEATH 68549</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M160L16 B.750X1.500</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M137980</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>MR</u>	SIGNED OFF BY: _____
DATE: <u>17/07/16</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

8 7 6 5 4 3 2 1

D

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-22518 OR AMS-QQA-22518 (OR AMS 41741284115/4116)
OR QQ-A-2008 OR AMS-QQA-2008 (OR AMS 4160)

OR ASTM B211 OR ASTM B221

.150 X 1.500

DAS
9
9.89

WHERE "T, TTT" = THICKNESS IN INCHES

"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

C

C

B

B

A		B		C		D	
A	NEW ISSUE	REMOVED	REFORMAT NOTES ADD	CP	09/07/13		
REV				DS	01/06/08		
			DESCRIPTION	BY	DATE		
DESIGN	DS	DART AEROSPACE LTD HAWKESBURG, ONTARIO, CANADA					
DRAWN	JPS	DRAWING NO.	M6061T6B				
CHECKED		REV. B					
MFG APPR.		SHEET 1 OF 1					
APPROVED		SCALE					
DE APPR.		NTS					
DATE	09.07.13	THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. NOT TO BE USED OR ANY PART THEREOF COMMUNICATED OR COPIED WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.					

RELEASED
2009-09-09
[Signature]

B	REMOVE QQ-A-25011 OPTION, REFORMAT NOTES ADD ASTM B211/B221 (ZND7-1)	CP	09/07/13
A	NEW ISSUE		
REV			
DESIGN	DS	DESCRIPTION	BY DATE
DRAWN	JPS	HAWKESBURG, ONTARIO, CANADA	
CHECKED		DRAWING NO.	
MFG APPR.		M6061T6B	
APPROVED		TITLE	
DE APPR.		6061-T6 BAR	
DATE	09.07.13	NTS	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B0.750X3.00
 DATE: 17-07-11

PO / BATCH NO.: P036886/M137930

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 10
 QUANTITY INSPECTED: 10
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750
 THICKNESS RECEIVED: .747
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASTM B221
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	3B3822
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
DAS INSPECTED BY: <u>9</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>17-07-11</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H6061 T631.00X2.00
 DATE: 17.07.11

PO / BATCH NO.: P036886/M137980

MATERIAL CERT REC'D: yos
 QUANTITY RECEIVED: 20'
 QUANTITY INSPECTED: 20'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.00"
 THICKNESS RECEIVED: .097"
 SHEET SIZE ORDERED: U/A
 SHEET SIZE RECEIVED: U/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASTM B221
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HT# 67956
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
DAS 9 INSPECTED BY: <u> </u> <u> </u>	SIGNED OFF BY: _____
DATE: <u>17.07.11</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

D

D

8
7
6
5
4
3
2
1

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:
QQ-A-22518 OR AMS-QQA-22518 (OR AMS 411741284115/4116)

OR QQ-A-2008 OR AMS-QQA-2008 (OR AMS 4160)

OR ASTM B211 OR ASTM B22

1.50 X 1.50 DAS 9 9.89

PART NUMBER:

M6061T6B | T.TTT | X | WW.WWW

THICK

WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

C

C

B

B

A

A

		RELEASED			
		R 2009 -03- 03			
		<i>JW</i>			
B	REMOVE QQ-A-250411 OPTION, REFORMAT NOTES, ADD	CP	09 07 13		
A	ASTM B211(B22) (2N D7-1)	DS	01 06 08		
REV.	NEW ISSUE	BY	DATE		
DESIGN	DS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWN	<i>AS</i>	DRAWING NO.			
CHECKED		M6061T6B			
MFG. APPR.	<i>AS</i>	REV. B			
APPROVED		SHEET 1 OF 1			
DE APPR.		SCALE			
DATE	09.07.13	NTS			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H6061T6 B4.500X4.500 PO / BATCH NO.: 36886/137980
 DATE: 17/07/10

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 4'
 QUANTITY INSPECTED: 4'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 4.50
 THICKNESS RECEIVED: 4.50
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> <input type="checkbox"/> N	A8551-B221-14
CORRECT THICKNESS	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	HEAT# 10702
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	H6061T6 B4.50 X4.50
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	137980
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>9</u> <u>9.99</u>	SIGNED OFF BY: _____
DATE: <u>17/07/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

8 7 6 5 4 3 2 1

D

PURCHASE MATERIAL: 6061-T6/T651/T6510/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-2251B OR AMS-QQA-2251B (OR AMS 41741284115/4116)

OR QQ-A-2008 OR AMS-QQA-2008 (OR AMS 4160)

OR ASTM B211 OR ASTM B221

4.50 X 4.50

DAS
9
489

A

PART NUMBER:

M6061T6B | T.TTT | X | WW.WWW|

THICK

WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES

"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

C

C

B

B

B	REMOVE QQ-A-25011 OPTION, REFORMAT NOTES, ADD		CP	09.07.13
A	NEW ISSUE		DS	01.06.08
REV	DESCRIPTION		BY	DATE
DESIGN	DS	DART AEROSPACE LTD		
DRAWN	<i>JJS</i>	HAWKESBURY, ONTARIO, CANADA		
CHECKED	<i>JJS</i>	DRAWING NO.	REV. B	
MFG. APPR.	<i>JJS</i>	M6061T6B	SHEET 1 OF 1	
APPROVED	<i>JJS</i>	TITLE	SCALE	
DE APPR.	<i>JJS</i>	6061-T6 BAR	NTS	
DATE	09.07.13	Copyright © 2001 by DART Aerospace Ltd. This document is the property of DART Aerospace Ltd. and is loaned to the customer. It is not to be used for any purpose other than its intended purpose and is to be returned to DART Aerospace Ltd. without prior written permission from DART Aerospace Ltd.		

RELEASED
2009-09-03
JJS

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B2.00X3.50
 DATE: 17.07.11

PO / BATCH NO.: P036886/M137980

MATERIAL CERT REC'D: YOS
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.00
 THICKNESS RECEIVED: 2.02
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	N
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	N
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/>	N <u>ASTM B221</u>
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	N
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	N <u>HT# 001M170213B</u>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	N
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	N
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>9 9.89</u>	SIGNED OFF BY: _____
DATE: <u>17.07.11</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

D

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225B OR AMS-QQA-225B (OR AMS 4174128/4115/4116)

OR QQ-A-2008 OR AMS-QQA-2008 (OR AMS 4160)

OR ASTM B211 OR ASTM B221

M6061T6B T.TT X WW.WWW

THICK | WIDTH

**D_{AS}
9
9.89**

WHERE "T" = THICKNESS IN INCHES

"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

C

C

D

B	REMOVE QQ-A-225011 OPTION, REFORMAT NOTES, ADD		CP	09 07 13		
A	NEW ISSUE		DS	01 06 08		
REV.	DESCRIPTION		BY DATE			
DESIGN	DS	DART AEROSPACE LTD				
DRAWN	<i>AS</i>	HAWKESBURY, ONTARIO, CANADA				
CHECKED	<i>AS</i>	DRAWING NO.	REV. B			
MFG. APPR.	<i>AS</i>	M6061T6B	SHEET 1 OF 1			
APPROVED	<i>AS</i>	TITLE	SCALE	NTS		
DE APPR.	<i>AS</i>	6061-T6 BAR				
DATE	09.07.13	Copyright © 2009 by DART Aerospace Ltd.	NOT TO BE USED FOR ANY PURPOSE OTHER THAN THE SPECIFIED DRAWING NUMBER			
			With the exception of the specific drawing number			

RELEASED
2009-07-09
JW

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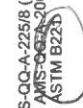
B

B

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:
QQ-A-225/8 OR AMS-QQA-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-2008 OR AMS-QQA-2008 (OR AMS 4160)



SPECIFICATION:

A



SPECIFICATION:

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SPECIFICATION:

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M16061TLB1.000X4.00
 DATE: 12/07/14

PO / BATCH NO.: 36881e/137980

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24
 QUANTITY INSPECTED: 24
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.00
 THICKNESS RECEIVED: 1.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>ASTM B221</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>HEAT# 3B590L</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M16061TLB1.000X4.00</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M137980</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>17/07/14</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M601IT6 B1.50X1.25 PO / BATCH NO.: 36886/137980
 DATE: 17/07/14

MATERIAL CERT REC'D: Y/N
 QUANTITY RECEIVED: 12
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.25
 THICKNESS RECEIVED: 1.25
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> N	ASTM B221
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	HEAT # 17025431A
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	M601IT6 B1.50X1.25
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	M137980
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: _____	SIGNED OFF BY: _____
DATE: _____	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:
QQ-A-225/8 OR AMS-QQA-225/8 (OR AMS 4117/4128/4115/4116)
OR QQA-2008 OR AMS-QQA-2008 (OR AMS 4160)

OR ASTM B211 OR
ASTM B221

△

PART NUMBER:

M6061T6B| T.TTT | X | WWW.WWW |

THICK

WIDTH

DAS

14

9-89

WHERE "T.TTT" = THICKNESS IN INCHES

"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

1.25 X 1.50

1.25

1.50

RELEASED
R 2009-08-02
[Signature]

B	REMOVE QDA-259M1 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (2N D71)	CP	08/07/13
A	NEW ISSUE	DS	01/08/08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	M6061T6B	SHEET 1 OF 1
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	6061-T6 BAR	NTS
DATE	09/07/13		

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 R.750
 DATE: 17/07/14

PO / BATCH NO.: 36886/137980

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24
 QUANTITY INSPECTED: 24
 QUANTITY REJECTED: _____

THICKNESS ORDERED: .750
 THICKNESS RECEIVED: .750
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
CORRECT FINISH	<u>(Y)</u> N	
CORROSION	Y <u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u> N	
CORRECT MATERIAL PER M-DRAWING	<u>(Y)</u> N	<u>ASTM A582</u>
CORRECT THICKNESS	<u>(Y)</u> N	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u> N	<u>HEAT# W4133</u>
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u> N	<u>M303 R.750</u>
CORRECT M# ON THE MATERIAL	<u>(Y)</u> N	<u>P137980</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u>	SIGNED OFF BY: _____
DATE: <u>9-89</u> <u>17/07/14</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)
SPECIFICATION:
ASTM A582
PART NUMBER:
M303RD.DDD
WHERE "D.DDD" = DIAMETER IN INCHES
E.G. 0.75" ROUND BAR = M303R0.750

1750
DAS
1A
9-89

RELEASE DATE
2010-07-02
JNR

B	REFORMAT DWG. ADD SPECS (ZN DB-11). REF-PAR06-020A	CP	10.01.05
A	NEW ISSUE	DS	01/12/20
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.01.05	REV. B	
	COMPLETED 2011 BY DART AEROSPACE LTD	SHEET 1 OF 1	
	NOT TO BE USED FOR ANY PURPOSE OR CONSTRUCTION UNLESS COMMUNICATED TO DART AEROSPACE LTD	NTS	
	PRINTED ON 07/02/2010	SCALE	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 R.375
 DATE: 17/07/14

PO / BATCH NO.: 310881e/137980

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 20
 QUANTITY INSPECTED: 20
 QUANTITY REJECTED: _____

THICKNESS ORDERED: .375
 THICKNESS RECEIVED: .375
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	Y <u>N</u>	ASTM A221
CORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT REF # TO LINK CERT	Y <u>N</u>	HFAHT 6829
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	M6061T6 R.375
CORRECT M# ON THE MATERIAL	Y <u>N</u>	137980
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	DAS	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	14 9.99	SIGNED OFF BY: _____
DATE:	17/07/14	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR

SPECIFICATION: QQ-A-225B OR AMS-QQ-A-225B (OR AMS 4117/4128/4115/4116)

OR QQ-A-2008 OR AMS-QQ-A-2008 (OR AMS 4160)

OR ASTM B211 OR ASTM B221

M6061T6R[DIA]

WHERE "D,DDD" = DIAMETER IN INCHES

EG. 5/8" ROUND BAR = M6061T6R/625

DAS
14
9-89

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RELEASED
2009-09-09
JH

B	REFORMAT DNG. ADD B211 & B221 SPEC (ZND8-1).	CP	09.07.13
A	REF PART#6061T6R	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13	TITLE	6061-T6 ROUND BAR
		SCALE	NTS
		REVISION	SHEET 1 OF 1
		DATE	09.07.13

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606 IT6B1.00XL.00

DATE: 17/07/14

PO / BATCH NO.: 36886/37986

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 1.00

QUANTITY RECEIVED: 24

THICKNESS RECEIVED: 1.00

QUANTITY INSPECTED: 24

SHEET SIZE ORDERED: _____

QUANTITY REJECTED: _____

SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>ASTM B221</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>HEAT # 36576</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M606 IT6B1.00XL.00</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M136980</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
DAS 14 9-09	
INSPECTED BY: _____	SIGNED OFF BY: _____
DATE: <u>17/07/14</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : 6061-T6/T651/T6510/T6511/T62 A1 M/N/M BAR

GENERAL INFORMATION, SECTION 100-1000, CONTRACTOR'S SPECIFICATION: QQ-A-225/A OR AMS-QQ-A-225/A (OR AMS 4117/4/12B/4116) OR QO-A-200/A OR AMS-QO-A-200/A (OR AMS 4160)

10

PART NINETY

1.00 x 6.00

M6061T6B T.TTT X www.wwww
THICK WPTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

EG 10" X 12 0" BAB - N6061T6B1 000X12 000

E.G. 1.0 x 12.0 BAR = 12.000 x 12.000

E.G. 1.0 x 12.0 BAR = 12.000 x 12.000

RELEASED
R 2009-05-01 12:00 AM

B	REMOVE QQA-250/11 OPTION, REFORMAT NOTES, ADD ASTM B21/B221 (ZN-D1)	CP	09/07/13
A	NEW ISSUE	DS	01/08/08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD	
DRAWN	97	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>J.S.</i>	DRAWING NO.	REV. B
MFG. APPR.		M6061-T6B	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		6061-T6 BAR	NTS
DATE	09.07.13	COMPILED BY: TANIA MARY ANNE MURRAY, ETD, CTD NOT TO BE USED OR COPIED EXCEPT AS APPROVED OR ON CONTRACT BASIS. TO DO SO IS UNLAWFUL. THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS NOT TO BE USED OR COPIED EXCEPT AS APPROVED OR ON CONTRACT BASIS. TO DO SO IS UNLAWFUL.	

DATE 09-07-13

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M2024T35.080
 DATE: 17/07/15

PO / BATCH NO.: PO 362886/137980

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 48
 QUANTITY INSPECTED: 48
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .080
 THICKNESS RECEIVED: 4x12 .079
 SHEET SIZE ORDERED: 4x12
 SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	2024 T3
CORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	ASTM B209
CORRECT REF # TO LINK CERT	Y <u>N</u>	Heat # 300
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	M2024T35.080
CORRECT M# ON THE MATERIAL	Y <u>N</u>	M 137980
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	
			N	A	
<i>testers located in the Quality Office</i>					

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>48</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>17/07/15</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 2024-T3 ALUMINUM SHEET
SPECIFICATION:
QQ-A-2504 OR AMS-QQ-A-2504
OR AMS-403L
OR ASTM B209
3
PART NUMBER:
M2024T3S-XXX
THK
WHERE "XXX" = SHEET THICKNESS (IN INCHES)
EG. 0.063" THICK SHEET = M2024T3S.063
PREFERRED SIZE:
.XXX BY 4FT BY 10FT

RELEASED
R 2024-
JW

B	REFORMAT DWG. ADD ASTM B209 SPEC (ZN DR-1). PAR	CP	09.07.07
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		M2024T3S	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		2024-T3 SHEET SPEC	NTS
DATE	09.07.07	COPYRIGHT © 2024 DART AEROSPACE LTD. THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS NOT TO BE COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

D	1	2	3	4	5	6	7	8
C								

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061TCS,040
 DATE: JUL 18 2017

PO / BATCH NO.: P036886/M137980

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 6459 ft²
 QUANTITY INSPECTED: 6459 ft²
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040
 THICKNESS RECEIVED: .045
 SHEET SIZE ORDERED: 4x8
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASm B209
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HT # T114421
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>5</u> <u>8-89</u>	SIGNED OFF BY: _____
DATE: <u>JUL 18 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET

SPECIFICATION:
QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS-4926 OR AMS 4927
OR ASTM B209

PART NUMBER:
M6061-T6S XXX THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M6061-T6S .063

PREFERRED SIZE:
.063 BY 4FT BY 8FT

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RELEASED
R 2009-09-10
[Signature]

B	REFORMAT DING ADD B209 SPEC (ZN DB-1), REF PAR 08-020A	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		M6061-T6S	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		6061-T6 SHEET SPEC	NTS
DATE	09.07.13		

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S18GA
 DATE: JUL 19 2017

PO / BATCH NO.: po36886/M137980

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 6458ft
 QUANTITY INSPECTED: 6458ft
 QUANTITY REJECTED: Q

THICKNESS ORDERED: .050
 THICKNESS RECEIVED: .050
 SHEET SIZE ORDERED: 4X8
 SHEET SIZE RECEIVED: 4X8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	<u>Y</u> N	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> N	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u> N	Astm A240
CORRECT THICKNESS	<u>Y</u> N	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u> N	HFFFOL4V
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> N	
CORRECT M# ON THE MATERIAL	<u>Y</u> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>5</u> DATE: <u>09 JUL 19 2017</u>	SIGNED OFF BY: _____
	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S20GA
 DATE: JUL 20 2017

PO / BATCH NO.: P036886/M137980

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: C450P+
 QUANTITY INSPECTED: C450P+
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040
 THICKNESS RECEIVED: .035
 SHEET SIZE ORDERED: 4X8
 SHEET SIZE RECEIVED: 4X8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>ASTm A240</i>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>H#222X</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>5</u>	SIGNED OFF BY: _____
DATE: <u>JUL 20 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

D PURCHASE MATERIAL: AISI 304/316 SS SHEET
SPECIFICATION: ANNNEALED

MIL-S-5059
OR AMS 5513 (304) DAS
OR AMS 5524 (316) DAS
OR ASTM A240 5
OR ASME SA240 9-89

C FINISH:

FINISH	DART M NUMBER IDENTIFIER
UNPOLISHED No. 1	1P
UNPOLISHED No. 2D	2D
UNPOLISHED No. 2B	NONE
POLISHED No. 3	3P
POLISHED No. 4	4P
BUFFED No. 6	6P
BUFFED No. 7	7P
BUFFED No. 8	8P

C PART NUMBER:

M304S TT GA #P
GA

WHERE "TT" = GAUGE THICKNESS
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA
EG. 16 GAUGE SS SHEET 1 NO. 4 POLISHED = M304S16GA4P

C GAUGE THICKNESS REFERENCE:

Gauge	Nom. Thick. (in.)	Thickness Range (in.)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.096375	0.084 - 0.098
12	0.103375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.301	0.301 - 0.325

RELEASED

2015 FEB 04
ECo 15-122 CR

D	ADDED GAUGES 6-7.	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN C8) AND EXAMPLE OF MATERIAL L PNA WITH FINISH OTHER THAN 28 (ZN B5).	MB	12.08.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1), ADD GAUGE REF (C8-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
	D S	DART AEROSPACE LTD	
	DRAWN	HAWKESBURY, ONTARIO, CANADA	
	CHECKED	DRAWING NO.	
	MFG. APPR.	M304S	REV. D
	APPROVED	TITLE	SHEET 1 OF 1
	DE APPR.	304/316 SS SHEET	SCALE NTS
	DATE	15.01.06	

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061463.125
 DATE: JUL 20 2017

PO / BATCH NO.: P036886/M137980

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 325SF
 QUANTITY INSPECTED: 325SF
 QUANTITY REJECTED: &

THICKNESS ORDERED: .115
 THICKNESS RECEIVED: .125
 SHEET SIZE ORDERED: 4X8
 SHEET SIZE RECEIVED: 4X8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	Y <u>N</u>	ASTM B209
CORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT REF # TO LINK CERT	Y <u>N</u>	H#01/0068262/5
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	
CORRECT M# ON THE MATERIAL	Y <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>5</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>JUL 20 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET

SPECIFICATION: QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4026 OR AMS 4027

OR ASTM B209

DAS

PART NUMBER:

M6061T6S XXX

5

WHERE ".XXX" = SHEET THICKNESS (IN INCHES)

EG. .063" THICK SHEET = M6061T6S.063

PREFERRED SIZE:

XXX BY 4FT BY 8FT



QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4026 OR AMS 4027
OR ASTM B209
DAS
M6061T6S XXX
5
WHERE ".XXX" = SHEET THICKNESS (IN INCHES)
EG. .063" THICK SHEET = M6061T6S.063
PREFERRED SIZE:
XXX BY 4FT BY 8FT

C

B

D

RELEASED
R 2009-09-10
[Signature]

B	REFORMAT DWG. ADD B209 SPEC (ZN D8-1), REF PAR 08-020A	C/P	09-07-13
A	NEW ISSUE	DS	01-06-08
REV.	DESCRIPTION	BY	DATE
A	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DESIGN	<i>[Signature]</i>	DRAWING NO.	REV. B
DRAWN		M6061T6S	SHEET 1 OF 1
CHECKED			NTS
MFG. APPR.			
APPROVED		TITLE	
DE APPR.		6061-T6 SHEET SPEC	
DATE	09.07.13	SCALE	

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36886

Purchase Order Date 6/29/2017
PO Print Date 6/29/2017

Page Number 1 of 8

Order From : VC-CAM002
ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED
JUN 29 2017

Contact Name
Vendor Phone 800 667 4248
Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer	Chantal Lavoie
Customer POID	
Customer Tax #	10127-2607
Terms	Net 30
Currency	CAD
FOB	FCA – (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	M6061T6B0.750X06.000	6061T6 BAR .750 X 6.00	7/4/2017 Yes 7/4/2017		20.00 f DAS 9 9-89	\$16.49	\$329.86
	MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221						
2	M6061T6B0.750X01.500	6061-T6 Bar .750 X 1.50	7/4/2017 Yes 7/4/2017		60.00 f	Line Total:	\$329.86 \$3.46 \$207.32

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36886**

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 2 of 8

Order From : VC-CAM002

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

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1270 ABERDEEN
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Currency CAD
FOB FCA - (Free Carrier)

3	M6061T6B0.750X08.000	6061-T6 BAR .750" X 8.00"	7/4/2017	12.00	\$18.40	\$220.85
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MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Yes
7/4/2017
DAS
9
9-89

4	M6061T6B1.000X02.000	6061-T6 Bar 1.00 x 2.00	7/4/2017	20.00	\$6.14	\$122.86
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MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

f

Line Total: \$220.85

5	M6061T6B1.000X04.000	6061-T6 Bar 1.00 x 4.00	7/4/2017	20.00	\$13.77	\$275.47
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MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

f

Line Total: \$122.86

Note:

SP/7-7-10



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Page Number 3 of 8

Order From : VC-CAM002
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Ship To : DART AEROSPACE LTD
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HAWKESBURY, ON K6A 1K7
CANADA

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Vendor Phone 800 667 4248
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Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

					Line Total:	
6	M6061T6B1.000X06.000	6061T6 BAR 1.00 X 6.00	7/4/2017 Yes 7/4/2017	24.00 f	\$19.38	\$465.23
7	M6061T6B1.000X12.000	6061-T6 Bar 1.00 x 12.00	7/4/2017 Yes 7/4/2017	12.00 f	\$45.86	\$550.37

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

8/17/17-10

Line Total: \$465.23

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$550.37

Note:



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Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 4 of 8

Order From : VC-CAM002

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935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name	Buyer	Chantal Lavoie			
Vendor Phone	Customer POID	10127-2607			
Ship To Contact	Customer Tax #	Net 30			
Ship To Phone	Terms	CAD			
Ship Via:	Currency	FCA - (Free Carrier)			
Ship Acct:	FOB				
8 M6061T6B1.500X01.250	6061-T6 Bar 1.50 x 1.25	7/4/2017 Yes 7/4/2017	12.00 f	\$6.39	\$76.65
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221					
9 M6061T6B4.500X4.500	6061-T6 Aluminum Bar 4.500" X 4.500"	7/4/2017 No 7/4/2017	4.00 f	\$87.49	\$349.95
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221					
10 M6061T6S.040	6061-T6 .040 Sheet	7/4/2017 Yes 7/4/2017	64.00 sf	\$7.60	\$486.43
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221					

Note:

SDP-710



Dart Aerospace Ltd.
1270 Aberdeen Street
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Tel: 613 632 9577
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Page Number 5 of 8

Order From : VC-CAM002
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1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 800 667 4248
Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

				Line Total:	
11	M6061T6S.125	6061-T6 .125 Sheet	7/4/2017 Yes 7/4/2017	32.00 sf	\$486.43

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

				Line Total:	
12	M2024T3S.080	2024-T3 .080 sheet	7/4/2017 Yes 7/4/2017	48.00 sf	\$206.57

MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037
OR ASTM B209

Note:

SPR-7-10

Line Total: \$310.35



Dart Aerospace Ltd.
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Page Number 6 of 8

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Vendor Phone 800 667 4248

Buyer Chantal Lavoie

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Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

13	M303R0.750	303 Round Bar 0.750	7/4/2017	24.00	\$5.26	\$126.17
			Yes	f		
			7/4/2017			

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

14	M304S18GA	304/316 .050 Sheet	7/4/2017	64.00	\$5.36	\$342.72
			Yes	sf		
			7/4/2017			

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Line Total: \$126.17

Line Total: \$342.72

Note:



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Vendor Phone	800 667 4248	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	Yours ppd	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)
15 M304S20GA	304/316 .040 Sheet	7/4/2017	64.00
		Yes	sf
		7/4/2017	\$3.91
			\$250.14

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$250.14

Line Total: \$7.85

Note:



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Page Number 8 of 8

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Ship To : DART AEROSPACE LTD
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HAWKESBURY, ON K6A 1K7
CANADA

Contact Name _____
Vendor Phone 800 667 4248

Buyer Chantal Lavoie

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

M6061T6B2.000X03.500 6061-T6 Bar 2.00 x 3.50 7/4/2017 12.00 \$14.35
Yes f \$172.21
7/4/2017

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

DAS
9
9-BS

Line Total: \$172.21

18 71401-45 PROCUREMENT
QUALITY CLAUSES

1.00 ✓ \$0.00 \$0.00

- Procurement Quality Clauses
- A005 right of entry
- A012 chemical and physical test rep
- A016 personnel qualification
- A017 raw material identification (as
- A026 certification of material confo
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality document

7/4/2017

Line Total: \$0.00

PO Total: \$4,501.00

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 6/29/2017